



BIOLOGY

BOOKS - ICSE

HUMAN BODY: THE EXCRETORY SYSTEM

Questions Fill In The Blanks

1. How is water and salt balance maintained in the body?



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2. The _____ (right/left) kidney is positioned slightly lower.



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3. The number of nephrons in a kidney is equal to



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4. Urinary bladder is lined with:



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5. Expulsion of urine is called _____
(excretion/micturition).



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Questions True Or False

1. The lungs are excretory organs.



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2. The function of kidney is to filter urine.



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3. Sweat is a mixture of water, salt and urea.



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4. Renal vein brings blood carrying wastes into the kidney.



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5. Kidney failure patients have to undergo dialysis.



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Exercises Section I Name The Following

1. The structural and functional units of kidney.



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2. Straw coloured liquid that is removed by kidneys



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3. An organ that stores urine temporarily before it is released





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4. The tube originating from renal pelvis



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5. The bacterium causing UTI



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Exercises Section I Choose The Correct Option

1. Which of the following is the outer dark region of kidney?

A. Cortex

B. Nephron

C. Medulla

D. Pelvis

Answer:



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2. The excretory organs are

A. kidneys and stomach

B. kidneys and lung

C. skin and nose

D. stomach and intestine

Answer:



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3. The blood vessel carrying metabolic wastes into the kidney is

A. renal vein

B. renal artery

C. aorta

D. vena cava

Answer:



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4. The excess amino acid is changed into urea
by

A. Gall bladder

B. lungs

C. Liver

D. pancreas

Answer:



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5. Before being removed from the kidneys, the urine is collected in

A. renal medulla

B. renal pelvis

C. renal cortex

D. renal tubule

Answer:



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Exercises Section I True Or False

1. Apart from excretion, the other function of kidney is secretion.



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2. The function of kidney is to filter urine.



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3. The urinary bladder stores urine temporarily.



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4. The opening of urethra is controlled by a valve.



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5. High concentration of calcium oxalate can cause kidney stones.



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Exercises Section I Choose The Odd One Out And Give Reasons For Your Choice

1. ureter, urethra, bladder, cortex



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2. carbon dioxide, glucose, urea, uric acid



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3. cortex, medulla, pelvis, ureter



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4. kidney, skin, stomach, lung



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Exercises Section I State The Exact Location Of The Following Organs

1. Kidneys



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2. Nephrons



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3. Renal medulla



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4. Ureter



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5. Urethra



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Exercises Section II Define The Following Terms

1. Excretion



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2. UTI



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3. Urinary bladder



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4. Micturition



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5. Nephrons



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Exercises Section II Differentiate Between The Following Pair Of Words Based On What Is Given In The Bracket

1. Ureter and urethra (function)



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2. Excretion and respiration (process)



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3. Lungs and skin (excretory product)



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4. Excretion and osmoregulation (definition)



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5. Renal cortex and renal medulla (location)



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Exercises Section II Give Reasons For The Following

1. Metabolic wastes need to be removed from the body.



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2. The flow of urine is regulated.



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3. It is advisable to drink sufficient water to avoid the formation of kidney stones.



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4. The lungs are excretory organs.



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5. A person can live with one kidney.



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Exercises Section II Short Answer Questions

1. Name the different excretory organs of the human body.



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2. List four different excretory wastes produced in human beings.



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3. Which blood vessel carries metabolic wastes into the kidney?



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4. Name two useful substances that are reabsorbed back into the blood from the forming urine.



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5. What is the amount of work done in bringing a mass from the surface of Earth on one side to a point diametrically opposite on the other side?



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Exercises Section II Long Answer Questions

1. Draw a labelled diagram of the human excretory system.



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2. Name the excretory organs other than kidneys and mention the excretory wastes excreted by them.



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3. Describe the internal structure of kidney.



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4. Name the bacteria that causes urinary tract infection. What are the symptoms and preventive measures taken for UTI?



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5. What should a person do if he is suffering from kidney stones? Can the stones be removed on their own?



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Picture Study

1. Is lactic acid produces in our body?



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2. What are the organs constitute digestive system?



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3. Describe main functions of kidneys.



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4. Name the liquid drain out from Gall bladder.

List two components present in this liquid.



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5. Name some viral disease.



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6. What is monohybrid cross?



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7. What are the structural and functional units of life?



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8. Give the number and name of the part of kidney where urine is collected.



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9. Name any two constituents of the blood that are reabsorbed by nephrons in the kidneys.



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